AMENDMENTS TO THE CLAIMS

This Listing of Claims will replace all prior versions and listing of claims in the application.

Listing of Claims:

Claims 1-7 (Canceled).

Claim 8 (Currently Amended) A method for remotely managing Digital Imaging Communications in Medicine (DICOM) image data ~~controlling a medical apparatus, said~~ for a medical apparatus incompatible with the DICOM format ~~is~~ used ~~to take~~ for capturing cross-sectional images of the inside of a human body ~~for~~ and generating medical analog image signals, said method comprising the steps of:

(a) establishing ~~building~~ a digital conversion device and connecting ~~the~~ said digital conversion device to said medical apparatus in order to convert said medical analog image signals into digital image data that comply with the DICOM ~~specifications~~ format;

(b) establishing ~~building~~ at least a remote device and connecting said remote device to said digital conversion device for remotely accessing the medical apparatus therethrough to capture internal cross-sectional images of the human body and generating medical analog image signals;

(c) said remote device sending at least a DICOM control command to said digital conversion device, and transferring said medical analog image signals to DICOM digital image data; and

(d) controlling said digital conversion device responsive to said DICOM control command to perform capture, storage or transmission of said digital image data.

Claim 9 (Currently Amended) The method for remotely managing DICOM image data ~~controlling~~ for a medical apparatus as claimed in claim 8, wherein said medical apparatus is an angiography, an ultrasound unit, an endoscope, an intraoral camera or a CAT scanner.

Claim 10 (Currently Amended) The method for remotely managing DICOM image data ~~controlling~~ for a medical apparatus as claimed in claim 8, wherein said digital conversion device in said Step (a) has an image capturing unit and a storage unit therein, and said image capturing unit is used to capture said medical image signals, convert said medical image signals into digital image data that comply with the DICOM format ~~specifications~~, and store said digital image data into said storage unit.

Claim 11 (Currently Amended) The method for remotely managing DICOM image data ~~controlling~~ for a medical apparatus as claimed in claim 8 further comprising, before said Step (b), the following steps:

building a server and connecting said server to said digital conversion device; and

connecting said remote device to said server and then to said digital conversion device via said server.

Claim 12 (Currently Amended) The method for remotely managing DICOM image data ~~controlling~~ for a medical apparatus as claimed in claim 8 further comprising, after said Step (b), the following step:

said remote device executing a remote control program to generate at least one DICOM control command.

Claim 13 (Currently Amended) The method for remotely managing DICOM image data ~~controlling~~ for a medical apparatus as claimed in claim 8 further comprising, after said Step (c), the following step:

said remote device executing a communication program to perform control communication with said digital conversion device so as to control said digital conversion device for performing capture, storage or transmission of said digital image data.

Claim 14 (Currently Amended) The method for remotely managing DICOM image data ~~controlling~~ for a medical apparatus as claimed in claim 8 further comprising, after said Step (d), the following ~~step~~ steps:

storing said digital image data into said remote device; and

sending said digital image data to said remote device.

Claim 15 (Currently Amended) A device for remotely managing Digital Imaging Communications in Medicine (DICOM) image data ~~controlling a medical apparatus~~, said device comprising:

at least a medical apparatus incompatible with the DICOM format, said medical apparatus used for ~~capable of~~ taking internal cross-sectional images of a human body and ~~for~~ generating medical analog image signals;

a digital conversion device connected to said medical apparatus operable to convert said medical analog image signals into DICOM digital image data;

a server connected to said digital conversion device ~~medical apparatus and used to~~ for receiving said digital image data ~~control said medical apparatus for generating digital image data conforming to DICOM specifications~~;

an image storage database connected to said server and used to store said digital image data; and

at least a remote device connected to said server and capable of generating at least a DICOM control command to control said medical apparatus via said server and said digital conversion device for capturing cross-sectional images of the human body and performing capture, storage or transmission of said digital image data.

Claim 16 (Currently Amended) The device for remotely managing DICOM image data ~~controlling a medical apparatus~~ as claimed in claim 15, wherein said medical apparatus is an angiography, an ultrasound unit, an endoscope, an intraoral camera or a CAT scanner.

Claim 17 (Canceled).

Claim 18 (Currently Amended) The device for remotely managing DICOM image data ~~controlling a medical apparatus~~ as claimed in claim ~~17~~ 15, wherein said digital conversion device further comprises:

an image capturing unit connected to said medical apparatus and used to capture said medical image signals and convert said medical image signals into digital image data conforming to the DICOM format ~~specifications~~;

a storage unit connected to said image capturing unit and used to store said digital image data; and

a network interface unit connected to said image capturing unit and capable of connecting to said server via a network to send said digital image data to said server and to control said medical apparatus to capture internal cross-sectional images of the human body.

Claim 19 (Currently Amended) The device for remotely managing DICOM image data ~~controlling a medical apparatus~~ as claimed in claim 15, wherein said server comprises:

a program storage unit storing at least a communication program, said communication program being used to perform control communication with said ~~medical apparatus or a~~ digital conversion device for controlling capture, storage or transmission of said digital image data;

a processing unit connected to said program storage unit and used to execute said communication program to perform control communication with said medical apparatus; and

a network interface unit connected to said processing unit and capable of connecting to said digital conversion device ~~medical apparatus~~ and said remote device via a network for receiving or transmitting said digital image data.

Claim 20 (Currently Amended) The device for remotely managing DICOM image data ~~controlling a medical apparatus~~ as claimed in claim 15, wherein said remote device at least comprises:

a memory unit for storing at least a remote control program;

a processing unit connected to said memory unit and used to execute said remote control program for generating at least a DICOM control command;

a network interface unit connected to said processing unit and capable of connecting to said server via a network and transmitting said DICOM control command to said server or receiving said digital image data; and

a display unit connected to said processing unit and used to display said digital image data.

Claim 21 (New) A Digital Imaging Communications in Medicine (DICOM) digital conversion device connecting to a medical apparatus incompatible with DICOM, said medical apparatus used for taking internal cross-sectional images of a human body and generating formatted medical analog image signals incompatible with DICOM, said device comprising:

an image capturing unit connected to said medical apparatus operable to capture said medical analog image signals and convert said medical analog image signals into digital image data conforming to the DICOM format;

a storage unit connected to said image capturing unit for storing said digital image data; and

a network interface unit connected to said image capturing unit for transferring said digital image data via a network and for controlling said medical apparatus to capture internal cross-sectional images of the human body.

Claim 22 (New) The device as claimed in claim 21, further comprising a display unit connected to said image capturing unit for displaying said digital image data.

Claim 23 (New) The device as claimed in claim 21, further comprising a medium duplicating unit for duplicating said digital image data stored in the storage unit into a medium format.

Claim 24 (New) The device as claimed in claim 21, further comprising an operation interface unit for connecting input devices for controlling said digital conversion device.